

Appl. No. : 10/824,797
Filed : April 15, 2004

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. Insertions are shown underlined while deletions are ~~struck-through~~.

1-8 (canceled)

9 (currently amended): A method for manufacturing an antistatic optical film comprising an antistatic layer at least one side of a liquid crystal display optical film, comprising the steps of:

applying an aqueous solution ~~or-an-aqueous-dispersion~~ comprising a water soluble ~~or-a~~ water-dispersible-conductive polymer on and in contact with the optical film, wherein the water soluble ~~or-the~~ water-dispersible-conductive polymer is a polythiophene;

drying to form the antistatic layer; and

applying a pressure sensitive adhesive layer on another side of the antistatic layer.

10-21 (canceled)

22 (previously presented): The method Claim 9, wherein the polythiophene contains a hydrophilic functional group in a molecule.

23 (previously presented): The method Claim 9, wherein a surface resistance value of the antistatic layer is $1 \times 10^{12} \Omega/\square$ or less.

24 (previously presented): The method Claim 9, wherein the pressure sensitive adhesive layer is formed of an acrylic pressure sensitive adhesive.

25 (previously presented): The method Claim 9, wherein the optical film comprises a polarizing plate.

26 (previously presented): The method Claim 9, wherein a surface material of the optical film on which the antistatic layer is laminated is a polycarbonate or a norbornene resin.

27 (previously presented): The method Claim 9, further comprising activation treatment of the optical film.

28 (currently amended): The method Claim 9, wherein the water soluble ~~or-water~~ dispersible-conductive polymer is a ~~water-soluble-conductive polymer~~, has a solubility of which is 20-30 g per 100 g of water.

29 (canceled)

30 (previously presented): The method of Claim 25, wherein said polarizing plate comprises a polarized element and a transparent protective film, wherein said/an antistatic layer

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is applied on and in contact with said transparent protective film, and wherein said transparent protective film consists of a material selected from the group consisting of polyethylenenaphthalate, acrylic polymer, styrene polymer, polycarbonate polymer, polyolefin polymer, vinyl chloride polymer, amide polymer, imide polymer, sulfone polymer, polyether sulfone polymer, polyether-ether ketone polymer, poly phenylene sulfide polymer, vinyl alcohol polymer, vinylidene chloride polymer, vinyl butyral polymer, allylate polymer, polyoxymethylene polymer, epoxy polymer, and a blend of the aforementioned polymers.

31 (previously presented): The method of Claim 26, wherein the optical film comprises a retardation plate.

32 (previously presented): The method of Claim 9, wherein the antistatic optical film is applied to a first side of a liquid crystal display, wherein said first side of the liquid crystal display does not have a conductive layer, wherein the liquid crystal display has a liquid crystal cell in IPS mode or VA mode.

33 (previously presented): The method of Claim 32, wherein a second side of the liquid crystal display has a conductive layer.

34 (currently amended): A method for manufacturing an antistatic optical film comprising an antistatic layer at least one side of a liquid crystal display optical film, comprising:

applying an aqueous solution ~~or an aqueous dispersion~~ comprising a water soluble ~~or a~~ ~~water dispersible~~ conductive polymer on and in contact with the optical film, wherein the water soluble ~~or the water dispersible~~ conductive polymer is a polythiophene, and wherein the optical film has optical properties which are deteriorated if an organic solvent is applied on and in contact with the optical film;

drying to form the antistatic layer; and

applying a pressure sensitive adhesive layer on another side of the antistatic layer.